



MM4454.ST25.txt
SEQUENCE LISTING

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Yamamura, Tokujiro
Kimura, Tatsuji
Yamaguchi, Ken

<120> Novel Calcium-Binding Proteins

<130> MM4454

<140> 09/910,208

<141> 2001-07-20

<160> 20

<170> PatentIn version 3.3

<210> 1
<211> 429
<212> DNA
<213> Bovine calcium binding protein

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<221> exon
<222> (48)..(323)
<223> Amino acid sequence of calcium-binding protein from bovine amniotic fluid

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ctggcattcc acacttctgt gcagaggggt gaacgtagtt tggtaaa atg act aag 56
Met Thr Lys
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ctg gaa gat cac ctg gag gga atc atc aac atc ttc cac cag tac tcc 104
Leu Glu Asp His Leu Glu Gly Ile Ile Asn Ile Phe His Gln Tyr Ser
5 10 15

gtt cgg gtg ggg cat ttc gac acc ctc aac aag cgt gag ctg aag cag 152
Val Arg Val Gly His Phe Asp Thr Leu Asn Lys Arg Glu Leu Lys Gln
20 25 30 35

ctg atc aca aag gaa ctt ccc aaa acc ctc cag aac acc aaa gat caa 200
Leu Ile Thr Lys Glu Leu Pro Lys Thr Leu Gln Asn Thr Lys Asp Gln
40 45 50

cct acc att gac aaa ata ttc caa gac ctg gat gcc gat aaa gac gga 248
Pro Thr Ile Asp Lys Ile Phe Gln Asp Leu Asp Ala Asp Lys Asp Gly
55 60 65

gcc gtc agc ttt gag gaa ttc gta gtc ctg gtg tcc agg gtg ctg aaa 296
Ala Val Ser Phe Glu Glu Phe Val Val Leu Val Ser Arg Val Leu Lys
70 75 80

aca gcc cac ata gat atc cac aaa gag taggaagctc ttccagcaa 343
Thr Ala His Ile Asp Ile His Lys Glu
85 90

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<210> 2
 <211> 50
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Thr Lys Leu Glu His Leu Glu Gly Ile Ile Asn Ile Phe His Gln Tyr
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Ser Val Arg Val Gly His Phe Asp Thr Leu Asn Lys Arg Glu Leu Lys
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Gln Leu Ile Thr Lys Glu Leu Pro Lys Thr Leu Gln Asn Thr Lys Asp
 35 40 45

Gln Pro
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<210> 3
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Ile Phe Gln Asp Leu Asp Ala Asp
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Thr Ala His Ile Asp Ile His Lys Glu
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Leu Pro Lys Thr Leu Gln Asn Thr Lys Asp Gln Pro Thr Ile Asp Lys
1 5 10 15

Ile Phe Gln Asp Leu Asp Ala Asp Lys Asp Gly Ala Val Ser Phe
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<210> 7
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Glu Phe val Val Leu val Ser Arg val Leu Lys Arg Ala His Ile Asp
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Ile His Lys Glu
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23

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243

291

347

Lys Glu

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Leu Lys Gln Leu Ile Thr Lys Glu Leu Pro Lys Thr Leu Gln Asn Thr
35 40 45

Lys Asp Gln Pro Thr Ile Asp Lys Ile Phe Gln Asp Leu Asp Ala Asp
50 55 60

Lys Asp Gly Ala Val Ser Phe Glu Glu Phe Val Val Leu Val Ser Arg
65 70 75 80

Val Leu Lys Thr Ala His Ile Asp Ile His Lys Glu
85 90

<210> 20
<211> 92
<212> PRT
<213> human calcium binding protein

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<223> Amino acid sequence of SEQ ID No. 12

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Gln Tyr Ser Val Arg Lys Gly His Phe Asp Thr Leu Ser Lys Gly Glu
 20 25 30

Leu Lys Gln Leu Leu Thr Lys Glu Leu Ala Asn Thr Ile Lys Asn Ile
 35 40 45

Lys Asp Lys Ala Val Ile Asp Glu Ile Phe Gln Gly Leu Asp Ala Asn
 50 55 60

Asn Asp Glu Gln Val Asp Phe Gln Glu Phe Ile Ser Leu Val Ala Ile
 65 70 75 80

Ala Leu Lys Ala Ala His Tyr His Thr His Lys Glu
 85 90